SEQUENCE LISTING

<110> University of Zurich

<120> Hetero-associating coiled coil peptides

<130> D 2398 PCT

<140> PCT/EP00/05922
<141> 2000-06-26

<160> 36

<170> PatentIn version 3.0

<210> 1
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic construct

<220>
<223> xaa at positions 5, 7, 12, 14, 19, 21, 26 and 28=mix of glu, lys, gln, arg

<220>
<223> xaa at position 15=mix of asn, val

<220>
<221> PEPTIDE
<222> (1)..(32)

<400> 1
Val Ala Gln Leu Xaa Glu Xaa Val Lys Thr Leu Xaa Ala Xaa Xaa Tyr
1 5 10 15

Glu Leu Xaa Ser Xaa Val Gln Arg Leu Xaa Glu Xaa Val Ala Gln Leu
20 25 30

<210> 2
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<213> Artificial Sequence

<220>
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<222> (1)..(32)

<220>
<223> xaa at positions 5, 7, 12, 14, 19, 21, 26 and 28=mix of glu, lys, gln, arg

<220>
<223> xaa at position 15=mix of asn, val

<400> 2

Val Asp Glu Leu Xaa Ala Xaa Val Asp Gln Leu Xaa Asp Xaa Xaa Tyr
1 5 10 15

Ala Leu Xaa Thr Xaa Val Ala Gln Leu Xaa Lys Xaa Val Glu Lys Leu
20 25 30

<210> 3
<211> 32
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 3

Val Ala Gln Leu Glu Glu Lys Val Lys Thr Leu Arg Ala Gln Asn Tyr
1 5 10 15

Glu Leu Lys Ser Arg Val Gln Arg Leu Arg Glu Gln Val Ala Gln Leu
20 25 30

<210> 4
<211> 32
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<220>
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<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 4

Val Ala Gln Leu Arg Glu Arg Val Lys Thr Leu Arg Ala Gln Asn Tyr
1 5 10 15

Glu Leu Glu Ser Glu Val Gln Arg Leu Arg Glu Gln Val Ala Gln Leu
20 25 30

<210> 5
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<213> artificial sequence

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<223> hetero-associating (poly)peptide

<400> 5

Val Ala Gln Leu Gln Glu Lys Val Lys Thr Leu Arg Ala Arg Asn Tyr
1 5 10 15

Glu Leu Lys Ser Glu Val Gln Arg Leu Glu Glu Lys Val Ala Gln Leu
20 25 30

<210> 6
<211> 32
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 6

Val Ala Gln Leu Glu Glu Gln Val Lys Thr Leu Gln Ala Arg Asn Tyr
1 5 10 15

Glu Leu Lys Ser Lys Val Gln Arg Leu Lys Glu Lys Val Ala Gln Leu
20 25 30

<210> 7
<211> 32
<212> PRT
<213> artificial sequence

<220>
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<223> hetero-associating (poly)peptide

<400> 7

Val Ala Gln Leu Glu Glu Arg Val Lys Thr Leu Arg Ala Gln Asn Tyr
1 5 10 15

Glu Leu Lys Ser Lys Val Gln Arg Leu Glu Glu Gln Val Ala Gln Leu
20 25 30

<210> 8
<211> 32
<212> PRT
<213> artificial sequence

<220>
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<223> hetero-associating (poly)peptide

<400> 8

Val Ala Gln Leu Glu Glu Gln Val Lys Thr Leu Glu Ala Glu Asn Tyr
1 5 10 15

Glu Leu Lys Ser Lys Val Gln Arg Leu Arg Glu Arg Val Ala Gln Leu
20 25 30

<210> 9
<211> 32
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 9

Val Ala Gln Leu Gln Glu Gln Val Lys Thr Leu Glu Ala Gln Asn Tyr
1 5 10 15

Glu Leu Glu Ser Glu Val Gln Arg Leu Lys Glu Gln Val Ala Gln Leu
20 25 30

<210> 10
<211> 32
<212> PRT
<213> artificial sequence

<220>
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<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 10

Val Ala Gln Leu Glu Glu Arg Val Lys Thr Leu Lys Ala Glu Asn Tyr
1 5 10 15

Glu Leu Glu Ser Glu Val Gln Arg Leu Lys Glu Arg Val Ala Gln Leu
20 25 30

<210> 11
<211> 32
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<220>
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<223> hetero-associating (poly)peptide

<400> 11

Val Ala Gln Leu Glu Glu Lys Val Lys Thr Leu Lys Ala Lys Asn Tyr
1 5 10 15

Glu Leu Lys Ser Lys Val Gln Arg Leu Lys Glu Lys Val Ala Gln Leu
20 25 30

<210> 12
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<220>
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<223> hetero-associating (poly)peptide

<400> 12

Val Ala Gln Leu Gln Glu Glu Val Lys Thr Leu Gln Ala Glu Asn Tyr
1 5 10 15

Glu Leu Arg Ser Glu Val Gln Arg Leu Glu Glu Glu Val Ala Gln Leu
20 25 30

<210> 13
<211> 32
<212> PRT
<213> artificial sequence

<220>
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<223> hetero-associating (poly)peptide

<400> 13

Val Ala Gln Leu Arg Glu Arg Val Lys Thr Leu Arg Ala Arg Asn Tyr
1 5 10 15

Glu Leu Gln Ser Lys Val Gln Arg Leu Lys Glu Arg Val Ala Gln Leu
20 25 30

<210> 14
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<213> artificial sequence

<220>
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<223> hetero-associating (poly)peptide

<400> 14

Val Asp Glu Leu Gln Ala Glu Val Asp Gln Leu Gln Asp Glu Asn Tyr
1 5 10 15

Ala Leu Lys Thr Lys Val Ala Gln Leu Arg Lys Lys Val Glu Lys Leu
20 25 30

<210> 15
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<220>
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<223> hetero-associating (poly)peptide

<400> 15

Val Asp Glu Leu Lys Ala Glu Val Asp Gln Leu Gln Asp Gln Asn Tyr
1 5 10 15

Ala Leu Arg Thr Lys Val Ala Gln Leu Arg Lys Glu Val Glu Lys Leu

20 25 30

<210> 16
<211> 32
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<213> artificial sequence

<220>
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<223> hetero-associating (poly)peptide

<400> 16

Val Asp Glu Leu Glu Ala Glu Val Asp Gln Leu Lys Asp Gln Asn Tyr
1 5 10 15

Ala Leu Lys Thr Lys Val Ala Gln Leu Gln Lys Gln Val Glu Lys Leu
20 25 30

<210> 17
<211> 32
<212> PRT
<213> artificial sequence

<220>
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<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 17

Val Asp Glu Leu Arg Ala Lys Val Asp Gln Leu Gln Asp Glu Asn Tyr
1 5 10 15

Ala Leu Glu Thr Glu Val Ala Gln Leu Gln Lys Arg Val Glu Lys Leu
20 25 30

<210> 18
<211> 32
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 18

Val Asp Glu Leu Glu Ala Glu Val Asp Gln Leu Glu Asp Gln Asn Tyr
1 5 10 15

Ala Leu Gln Thr Arg Val Ala Gln Leu Glu Lys Arg Val Glu Lys Leu
20 25 30

<210> 19
<211> 32
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 19

Val Asp Glu Leu Lys Ala Lys Val Asp Gln Leu Lys Asp Lys Asn Tyr
1 5 10 15

Ala Leu Arg Thr Lys Val Ala Gln Leu Arg Lys Lys Val Glu Lys Leu
20 25 30

<210> 20
<211> 32
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 20

Val Asp Glu Leu Arg Ala Gln Val Asp Gln Leu Gln Asp Lys Asn Tyr
1 5 10 15

Ala Leu Arg Thr Arg Val Ala Gln Leu Lys Lys Arg Val Glu Lys Leu
20 25 30

<210> 21
<211> 32
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 21

Val Asp Glu Leu Gln Ala Glu Val Asp Gln Leu Gln Asp Gln Asn Tyr
1 5 10 15

Ala Leu Arg Thr Gln Val Ala Gln Leu Lys Lys Lys Val Glu Lys Leu
20 25 30

<210> 22
<211> 32
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 22

Val Asp Glu Leu Arg Ala Gln Val Asp Gln Leu Glu Asp Gln Asn Tyr
1 5 10 15

Ala Leu Glu Thr Gln Val Ala Gln Leu Glu Lys Glu Val Glu Lys Leu
20 25 30

<210> 23
<211> 32
<212> PRT
<213> artificial sequence

<220>
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<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 23

Val Asp Glu Leu Gln Ala Lys Val Asp Gln Leu Lys Asp Glu Asn Tyr
1 5 10 15

Ala Leu Gln Thr Lys Val Ala Gln Leu Gln Lys Arg Val Glu Lys Leu
20 25 30

<210> 24
<211> 32
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(32)
<223> hetero-associating (poly)peptide

<400> 24

Val Asp Glu Leu Arg Ala Glu Val Asp Gln Leu Glu Asp Glu Asn Tyr
1 5 10 15

Ala Leu Arg Thr Arg Val Ala Gln Leu Arg Lys Gln Val Glu Lys Leu
20 25 30

<210> 25
<211> 103
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA construct

<220>
<221> misc_feature
<222> (1)..(103)

<220>

<223> nnn=mix of aag, cag, gag, cgt or aat, gtt

<400> 25
tactgtggcg caactgnnng aannngtgaa aacccttnnn gctnnnnnnt atgaacttnn 60

ntctnnngtg agcgcttgnn ngagnnngtt gcccagcttg cta 103

<210> 26
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic construct

<220>
<221> PEPTIDE
<222> (1)..(32)

<220>
<223> xaa at position 5, 7, 12, 14, 19, 21, 26 and 28=mix of glu, lys, gln, arg

<220>
<223> xaa at position 15=mix of asn, val

<400> 26
Val Ala Gln Leu Xaa Glu Xaa Val Lys Thr Leu Xaa Ala Xaa Xaa Tyr
1 5 10 15

Glu Leu Xaa Ser Xaa Val Gln Arg Leu Xaa Glu Xaa Val Ala Gln Leu
20 25 30

<210> 27
<211> 104
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA construct

<220>
<221> misc_feature
<222> (1)..(104)

<220>
<223> nnn=mix of aag, cag, gag, cgt or aat, gtt

<400> 27
ctccgttgac gaactgnnng ctnnngttga ccagctgnnn gacnnnnnnt acgctctgnn 60

naccnnngtt cgcagctgnn naaannngtg gaaaagctgt gata 104

<210> 28
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic construct

<220>
<221> PEPTIDE
<222> (1)..(32)

<220>
<223> xaa at position 5, 7, 12, 14, 19, 21, 26 and 28=mix of glu, lys, gln, arg

<220>
<223> xaa at position 15=mix of asn, val

<400> 28
Val Asp Glu Leu Xaa Ala Xaa Val Asp Gln Leu Xaa Asp Xaa Xaa Tyr
1 5 10 15

Ala Leu Xaa Thr Xaa Val Ala Gln Leu Xaa Lys Xaa Val Glu Lys Leu
20 25 30

<210> 29
<211> 38
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(38)
<223> synthetic construct DNA primer

<400> 29
ggagtactgg catgcagtcg actactgtgg cgcaactg 38

<210> 30
<211> 32
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(32)
<223> synthetic construct DNA reverse primer

<400> 30
ggactagtac cttcgctagc aagctgggca ac 32

<210> 31
<211> 38
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(38)
<223> synthetic construct
DNA forward primer

<400> 31
ggagtactgg catgcagtcg acctccgttg acgaactg 38

<210> 32
<211> 32
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(32)
<223> synthetic construct
DNA reverse primer

<400> 32
ggactagtgc tagcttctga cagcttttcc ac 32

<210> 33
<211> 15
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(15)
<223> synthetic construct
cloning linker

<400> 33

Ala Ser Gly Thr Ser Ser Gly Thr Ser Ser Thr Ser Ser Gly Ile
1 5 10 15

<210> 34
<211> 14
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(14)
<223> synthetic construct
cloning linker

<400> 34

Ser Glu Ala Ser Gly Thr Ser Ser Gly Thr Ser Ser Thr Ser
1 5 10

<210> 35
<211> 37

<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(37)
<223> N-acetylated and C-amidated synthetic peptide

<400> 35

Ser Thr Thr Val Ala Gln Leu Glu Glu Lys Val Lys Thr Leu Arg Ala
1 5 10 15

Gln Asn Tyr Glu Leu Lys Ser Arg Val Gln Arg Leu Arg Glu Gln Val
20 25 30

Ala Gln Leu Ala Ser
35

<210> 36
<211> 37
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> (1)..(37)
<223> N-acetylated and C-amidated synthetic peptide

<400> 36

Ser Thr Ser Val Asp Glu Leu Gln Ala Glu Val Asp Gln Leu Gln Asp
1 5 10 15

Glu Asn Tyr Ala Leu Lys Thr Lys Val Ala Gln Leu Arg Lys Lys Val
20 25 30

Glu Lys Leu Ser Glu
35